|          | Thao       |          |             |          |              |         |           |              |                 |            |          |          |          | 30       | o P. Le  |          |          |             |              |          |            |          | 2818 |           |             |             |          |          | 1        |           |          |           |         |          |
|----------|------------|----------|-------------|----------|--------------|---------|-----------|--------------|-----------------|------------|----------|----------|----------|----------|----------|----------|----------|-------------|--------------|----------|------------|----------|------|-----------|-------------|-------------|----------|----------|----------|-----------|----------|-----------|---------|----------|
|          |            | [,       | d           |          |              | -       |           | (П)          | Through numeral |            |          |          |          |          | ]        | N        |          | Non-Elected |              |          |            | A        |      | Appeal    |             |             |          |          |          |           |          |           |         |          |
|          |            | =        | Allowed     |          |              | d       |           |              | +               | Restricted |          |          | d        |          |          |          |          | ,           | Interference |          |            |          | 0    | Objected  |             |             |          |          |          |           |          |           |         |          |
|          | Claim Date |          |             |          |              |         |           | `            | _               |            | Claim    |          |          |          |          |          |          | _           | _            |          |            |          |      |           | <del></del> |             |          |          |          |           |          | _         |         |          |
|          | Т          | ╁╴       |             | 7        | 퓍            | ate     | Т         | П            | _               | $\dashv$   |          | Cla      |          | ╁        | Т        | Т        | Т        | Da          | le_          | Т        | T          | Ť        | ┨    | <u>-c</u> | laim        | -           |          | П        | 무        | ate       | _        | 7         | _       | -        |
| Final    | Original   | 2/11/05  |             |          |              |         |           |              |                 |            |          | Final    | Original |          |          |          |          |             |              |          |            |          |      | Finat     | Original    |             |          |          |          |           |          |           |         |          |
|          | 1          | 1        |             | 1        | _            | $\pm$   | $\exists$ | $\exists$    |                 |            | ł        |          | 51       | H        | t        | H        | t        | †           | +            | ╁        | $\vdash$   | ╁        | ┨    |           | 101         | $\vdash$    | Н        | Н        | +        | -         | $\dashv$ | ┪         | +       | ┦        |
|          | 3          | F        | $\Box$      | $\dashv$ | $\dashv$     | 4       | 7         | $\exists$    | $\dashv$        | $\Box$     | -        |          | 52       |          | F        | F        | F        | L           |              |          |            | Γ        | 1    |           | 102         |             |          |          | _        | $\dashv$  | 7        | $\exists$ | #       | <b>_</b> |
| -        | 4          | ╁╴       | $\dashv$    | +        | +            | +       | +         | $\dashv$     | ┪               | ╌╢         | -        |          | 53<br>54 | ┢        | $\vdash$ | ╁        | ╁        | ╁           | ╁╴           | ╁╌       | ╁          | ╁        | ┨    | ┝         | 103         | -           | Н        | $\vdash$ | $\dashv$ | ┥         | $\dashv$ | +         | +       | _        |
|          | 3          |          |             |          | 1            |         |           |              | コ               |            |          |          | 55       |          |          |          |          |             |              |          |            |          | 1    |           | 105         |             |          |          |          | ⇉         | 寸        | +         |         | 7        |
| -        | 7          | -        | $\dashv$    | 4        | +            | +       | 4         | 4            | 4               | ᅴ          | -        |          | 56<br>57 | _        | ļ        | ļ.,      | L        | $\perp$     | Ļ.           | _        | lacksquare | L        | ]    |           | 106         |             |          |          | $\dashv$ | $\dashv$  | $\Box$   | $\Box$    | Ţ       | ]·       |
| $\vdash$ | 8          | ╁        | +           | $\dashv$ | $\dagger$    | +       | ᆉ         | $\dashv$     | ┪               | ᅥ          | ŀ        | _        | 58       | -        | ╁        | ┢        | ╁        | ╁           | ┢            | ┝        | ⊢          | ┢        | ┨    | ┢         | 107         | -           | Н        | -        | $\dashv$ | $\dashv$  | $\dashv$ | +         | ╫       |          |
|          | 9          |          |             | ユ        | 1            | 二       | 1         | 1            |                 | $\Box$     | Į        |          | 59       |          |          |          |          | L           |              | 匚        |            |          | 1    |           | 109         |             |          |          | $\perp$  | 士         | 士        | 士         | 士       | ₫.       |
| $\vdash$ | 10<br>1p   |          | $\dashv$    | $\dashv$ | +            | +       | +         | +            | $\dashv$        | $\dashv$   | ŀ        |          | 60<br>61 | L        | <u> </u> | ┞        | ╀        | ╀           | L            | ┝        | L          | _        | -    |           | 110         | L           | Ц        | $\dashv$ | +        | [         | 4        | $\perp$   | 4-      |          |
| -        | 12         | Н        | ᅱ           | 十        | +            | ╅       | +         | $\forall$    | -+              | ᅱ          | ŀ        | _        | 62       | -        | ┢        | H        | -        | $\vdash$    | ┢            | ┝        | ┝          | ┢        | 1    |           | 111         | Н           | H        | $\dashv$ | ┰        | $\dashv$  | $\dashv$ | +         | +       | -{       |
|          | 13         |          | $\Box$      | コ        | 1            |         | 1         | 1            | $\Box$          |            | Į        |          | 63       |          |          |          |          |             |              |          |            |          | ]    |           | 113         |             |          | コ        | ユ        | I         | 士        | 1         | 土       |          |
|          | 13         | 7        | $\dashv$    | +        | +            | +       | +         | +            | +               | $\dashv$   | -        |          | 64<br>65 | L        | L        | ┞        | ┞        | -           | ┡            | L        | <u> </u>   | ⊢        |      |           | 114<br>115  | Ш           |          | 4        | 4        | 1         | $\perp$  | 4         | $\perp$ | ]        |
| $\vdash$ | 18         | Ť        | $\dashv$    | 十        | +            | ╅       | +         | $\dashv$     | +               | ᅥ          | ŀ        | $\dashv$ | 66       | -        | ┢        | ┢        | ┢        | H           | $\vdash$     | ┝        | -          | ╁        | 1    |           | 116         | -           | $\dashv$ | +        | +        | +         | +        | +         | +       | ┥        |
|          | 17         | 1        | $\sqsupset$ | 1        | 1            |         | 1         | $\Box$       | $\sqsupset$     |            |          |          | 67       |          |          |          |          |             |              |          |            |          | 1    |           | 117         |             |          | $\Box$   | 寸        | 1         | 士        | 士         | 1       | _        |
|          | 18<br>19   | Н        | $\dashv$    | +        | +            | +       | 4         | $\dashv$     | -               | $\dashv$   | -        |          | 68<br>69 | $\vdash$ | Ļ        | <u> </u> | ļ.,      | L           | _            | Ļ        |            |          | 1    |           | 118         |             |          | 4        | $\bot$   | $\bot$    | 4        | $\Box$    | $\perp$ | ]        |
| $\vdash$ | (20)       | 1        | $\dashv$    | +        | 十            | +       | +         | $\dashv$     | +               | _          | ŀ        | $\dashv$ | 70       | -        | ┝        | -        | ┝        | H           | $\vdash$     | -        | ┝          | H        | 1    | _         | 119<br>120  | $\dashv$    | $\dashv$ | $\dashv$ | +        | +         | +        | +         | +       | -        |
|          | 21         | 4        | I           |          |              | 工       | 1         | 丁            | I               | コ          |          |          | 71       |          |          |          |          |             |              |          |            |          | 1    |           | 121         |             |          | 丁        | 士        | 1         | 1        | I         |         | <u> </u> |
| -        | 22<br>25   | 7        | -           | +        | +            | +       | 4         | +            | 4               | 4          | -        |          | 72       | Н        | L        | L        | L        | ├           | L            | L        | <u> </u>   | L        | 1    |           | 122         | $\Box$      |          | $\Box$   | Ţ        | 4         | $\perp$  | 4         | T       | ]        |
| -        | 24         | Y        | $\dashv$    | +        | +            | ╁       | +         | +            | ╅               | ┥          | H        | $\dashv$ | 73<br>74 | Н        | <u> </u> | ┝        | -        | ⊢           | H            | H        | _          | -        | H    |           | 123<br>124  | $\dashv$    | -        | +        | ┿        | +         | +        | +         | +       | 4        |
|          | 25         |          |             |          | I            | 土       | 1         | 土            | 士               |            | Ė        |          | 75       |          |          |          |          |             |              |          |            |          | 1    |           | 125         |             |          | $\perp$  | 十        | T         | $\pm$    | †         | +       | -        |
|          | 26         | Н        | $\dashv$    | 4        | 1            | 4       | 4         | 1            | 4               | $\dashv$   | Ĺ        |          | 76       |          |          |          |          | L           | П            |          |            |          | ]    |           | 126         | $\Box$      | $\Box$   | $\Box$   | $\Box$   | 4         | $\bot$   | 1         |         | ] .      |
| -        | 27<br>28   | $\vdash$ | ╅           | +        | +            | +       | +         | +            | +               | $\dashv$   | ŀ        | $\dashv$ | 77<br>78 | Н        | _        | -        | ┝        | $\vdash$    | H            |          | -          | _        |      |           | 127<br>128  |             | -        | $\dashv$ | +        | +         | +        | +         | +       | 4        |
|          | 29         |          | I           |          | $^{\dagger}$ | 1       | $\dagger$ | 1            | $\dagger$       | ヿ          | t        | 7        | 79       |          | -        |          |          | -           |              |          |            |          |      |           | 129         | ┪           | $\dashv$ | 十        | +        | +         | ╅        | $\dagger$ | ╅       | ┪        |
| $\vdash$ | 30         | $\Box$   | 4           | $\bot$   | 4            | $\perp$ | 1         | $\downarrow$ | 4               | 4          |          |          | 80       |          |          |          |          |             |              |          |            |          |      |           | 130         | $\Box$      | $\Box$   | $\Box$   | T        | Ţ         | 7        | 1         | $\perp$ | ]        |
| $\vdash$ | 31<br>32   | $\dashv$ | +           | +        | +            | ╫       | +         | +            | +               | ┥          | ŀ        | -+       | 81<br>82 | $\dashv$ | _        |          | H        | ├           | Н            | Н        | _          |          |      |           | 131         | $\dashv$    | $\dashv$ | +        | ╁        | +         | +        | 4         | +-      | 4        |
|          | 33         |          | $\perp$     |          | İ            | 土       | 土         | 士            | 1               | J          | t        |          | 83       |          |          |          |          |             |              |          |            |          | ll   |           | 133         | _           | 十        | -†       | $\top$   | $\dagger$ | $\top$   | +         | +       | †        |
|          | 34         | $\Box$   | $\perp$     | 4        | 1            | $\bot$  | 1         | 4            | 4               | 4          | F        | $\dashv$ | 8        |          |          |          |          |             |              |          |            |          |      |           | 134         | $\Box$      | $\dashv$ | $\dashv$ | $\bot$   | Ţ         | $\bot$   | Ţ         | $\perp$ | 1        |
| $\vdash$ | 35<br>36   | $\dashv$ | +           | +        | ┿            | +       | ╁         | +            | +               | ┥          | H        |          | 85<br>86 | $\dashv$ |          |          |          | H           | Н            | Н        | -          | Н        |      | _         | 135<br>136  | $\dashv$    | $\dashv$ | -        | +        | +         | +        | +         | +       | 4        |
|          | 37         |          | 1           | 土        |              | 工       | 土         | 1            | 土               | ╛          | L        | İ        | 87       |          |          |          |          |             |              |          |            |          |      |           | 137         |             | 士        | 1        | $\perp$  | 士         | +        | $\perp$   | 十       | 1        |
| $\vdash$ | 38         | $\dashv$ | 4           | $\bot$   | 4            | 4       | 4         | 4            | 4               | 4          | L        | 4        | 88       | _        |          |          |          |             | $\Box$       |          |            |          |      |           | 138         | $\Box$      | $\Box$   | $\Box$   | I        | I         | Ţ        | Ţ         | $\perp$ | ]        |
| -        | 39<br>40   | ᅱ        | +           | +        | +            | ╁       | +         | +            | +               | ┥          | ŀ        | $\dashv$ | 89<br>90 | -        | $\dashv$ | $\dashv$ | Н        | H           | $\dashv$     | $\dashv$ | $\dashv$   | Н        | -    |           | 139<br>140  | +           | +        | +        | +        | +         | +        | +         | ╁       | 4        |
|          | 41         |          | $\top$      | $\perp$  | 士            |         | 1         | 1            | 1               | ╛          | t        | 士        | 91       |          |          |          |          |             |              |          |            |          | 1    |           | 141         | 7           | 十        | $\top$   | +        | $\dagger$ | 十        | +         | ╁       | -        |
|          | 42         | _        | $\bot$      | Ŧ        | Ţ            | 1       | Ţ         | 1            | 1               | 4          | F        | $\dashv$ | 92       | _        |          |          |          |             |              |          | $\Box$     |          |      |           | 142         | $\Box$      | $\Box$   | $\Box$   | 1        | I         | I        | I         | I       | ]        |
| $\vdash$ | 43<br>44   | $\dashv$ | +           | ╁        | ╁            | ╁       | +         | ┿            | +               | ᅱ          | ┢        | $\dashv$ | 93<br>94 | $\dashv$ | $\dashv$ | $\dashv$ | Н        | Н           | $\dashv$     | $\dashv$ | $\dashv$   |          |      |           | 143<br>144  | +           | +        | +        | +        | +         | +        | +         | +-      | -        |
|          | 45         | ╛        | 士           | 土        | İ            | 1       | 1         | 士            | 士               | J          |          | 士        | 95       | _        |          |          | $\Box$   |             |              | _        | $\dashv$   | $\dashv$ |      |           | 145         | 十           | $\dashv$ | +        | +        | +         | +        | +         | +       | 1        |
|          | 46         | 4        | Ŧ           | Ţ        | Ţ            | Į       | Ţ         | Ţ            | 1               | $\Box$     | F        | $\Box$   | 96       | コ        |          |          |          |             |              | $\Box$   |            |          |      |           | 146         | $\sqsupset$ | ユ        | 工        | 1        | I         | 丰        | 1         | 工       | 1        |
| $\vdash$ | 47<br>48   | 4        | +           | +        | +            | ╀       | +         | +            | +               | $\dashv$   | $\vdash$ | +        | 97<br>98 | $\dashv$ | $\dashv$ |          | $\dashv$ | Н           | $\dashv$     |          | 4          | 4        |      |           | 147<br>148  | 4           | +        | +        | 4        | +         | +        | +         | +       | 4        |
|          | 49         | 士        | I           | 士        | 士            | $\pm$   | 士         | $\pm$        | +               | $\exists$  | 卜        | _†       | 99       | $\dashv$ | _        | $\dashv$ | $\dashv$ | Н           | -            | $\dashv$ | ᅱ          |          |      | $\dashv$  | 149         | $\dashv$    | $\dashv$ | +        | +        | +         | +        | +         | +       | 1        |
|          | 50         | $\Box$   | Ι           | Ι.       | I            | I       | I         | $\perp$      | I               |            |          | $\Box$   | 100      |          |          |          |          |             | コ            | コ        |            | $\Box$   |      |           | 150         | 士           | 土        | 1        | 土        | 土         | 士        | 土         | 土       | j        |
|          |            |          |             |          |              |         |           |              |                 |            |          |          |          |          |          |          |          |             |              |          |            | ٠        |      |           |             |             |          |          |          |           |          |           |         |          |

Application/Control No.

10/635,969

Examiner

Index of Claims

Applicant(s)/Patent under Reexamination

KIM ET AL.

Art Unit